



Monday, October 29, 2018

Attn: Mr. Keith Gammell
Barnhardt Mfg. Co.
247 Main Rd
P.O. Box 3
Colrain, MA 01340

Project ID: NPDES BI-MONTHLY
Sample ID#s: CB81316

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis/Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 29, 2018

FOR: Attn: Mr. Keith Gammell
Barnhardt Mfg. Co.
247 Main Rd
P.O. Box 3
Colrain, MA 01340

Sample Information

Matrix: WASTE WATER
Location Code: BARNHARD
Rush Request: Standard
P.O.#: G9811

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

10/24/18
10/24/18

Time

7:00
15:55

Laboratory Data

SDG ID: GCB81316
Phoenix ID: CB81316

Project ID: NPDES BI-MONTHLY
Client ID: EFFLUENT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Nitrite-N	< 0.010	0.010	mg/L	1	10/26/18 00:21	TB	E353.2
Nitrate-N	< 0.02	0.02	mg/L	1	10/26/18 00:21	TB	E353.2
Nitrogen Tot Kjeldahl	6.26	1.00	mg/L	10	10/27/18	KDB	E351.1
Total Nitrogen	6.26	0.10	mg/L	1	10/27/18	KDB	SM4500NH3/E300.0-97

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

October 29, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President



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QA/QC Report

October 29, 2018

QA/QC Data

SDG I.D.: GCB81316

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 453612 (mg/L), QC Sample No: CB81307 (CB81316)													
Nitrate-N	BRL	0.02	0.33	0.33	0	102			102			90 - 110	20
Nitrite-N	BRL	0.01	<0.010	<0.01	NC	101			105			90 - 110	20
QA/QC Batch 453744 (mg/L), QC Sample No: CB82133 (CB81316)													
Nitrogen Tot Kjeldahl	BRL	0.10	0.19	0.15	NC	108			101			85 - 115	20

Comment:

TKN is reported as Organic Nitrogen in the Blank, LCS, DUP and MS.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
October 29, 2018

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Criteria: None
State: MA

Sample Criteria Exceedances Report
GCB81316 - BARNHARD

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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Analysis Comments

October 29, 2018

SDG I.D.: GCB81316

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Cooler: Yes ☐ No ☒
Coolant: IPK ☐ ICE ☐

Temp: 5.9 Pg of

Fax:

Phone:

Email:

Customer: Barnhardt

Address: 20 Box 3 247 MAN Rd

Calverton MASS 01346

Project: NPDES 6th-Monthly

Report to: Kathy Gammell

Invoice to: Barnhardt

Project P.O.: G-981

This section MUST be completed with Bottle Quantities.

Analysis Request

TKY / Total Nitrate

Sampler's Signature: [Signature] Date: 10-24-18

Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe OIL=Oil
B=Bulk L=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
21310	Effluent	WW	10/24/18	7am
	Effluent	WW	10/24/18	7am

Relinquished by: [Signature]

Date: 10/24/18

Time: 1330

RI

CT

MA

Data Format

Accepted by: [Signature]

Date: 10/24/18

Time: 15:55

RI

CT

MA

Data Format

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other

State where samples were collected: MA

* SURCHARGE APPLIES

* SURCHARGE APPLIES